

December 20, 2022

**VIA EMAIL**

Ms. Hannah Lubbers  
Director, Office of Environmental Quality  
Clermont County  
101 East Main Street  
Batavia, Ohio 45103

**RE:   October 2022 Semiannual Sampling Results  
        Distal Wells  
        CECOS International, Inc.  
        Aber Road Facility, Williamsburg, Ohio**

Dear Ms. Lubbers:

Attached please find the laboratory analytical results for the October 2022 groundwater samples collected from the Distal Wells at CECOS International, Inc.'s (CECOS) Aber Road facility. The wells were sampled in accordance with the August 1, 2012 Agreement between CECOS and the Board of Clermont County Commissioners. As requested, this letter and the attached laboratory results are being provided to you in electronic format only.

The groundwater monitoring wells sampled as part of the August 2012 Agreement are as follows:

- MP-215A, located east of Cell 13 and screened in the Upper Sand;
- MP-215BR, located east of Cell 13 and screened in the Channel Sand;
- MP-215CTY, located east of Cell 13 and screened in the BTI;
- MP-216BR, located east of Cell 13 and screened in the 880 Sand;
- MP-252, located south of SCMF 6, SCMF 7, and Fire Pond 4/5 and screened in the BTI;
- MP-252A, located south of SCMF 6, SCMF 7 and Fire Pond 4/5 and screened in the 880 Sand;
- MP-270, located several hundred feet east of SCMF 10 and screened in the BTI;
- MP-290B, located east of the sanitary landfill and screened in the Upper Sand

The semiannual monitoring of the Distal Wells is performed in addition to the site's regulatory programs. Seven of the eight Distal Wells are sampled and analyzed for the list of volatile organic compounds (VOCs) included in the Detection Monitoring Program component of the facility's Ohio EPA-approved RCRA Post-Closure Plan (August 2022). The eighth well, MP-290B, is monitored for a separate list of VOCs required for the Corrective Measures Implementation (CMI) area of the facility.

Low-level VOC concentrations of chloromethane and vinyl chloride are commonly detected at CMI monitoring well MP-290B and were again detected during the October 2022 event at concentrations of 12 ug/L and 1.3J ug/L, respectively; however, no USEPA Maximum Contaminant Levels (MCLs) were exceeded. The analytical results for MP-290B are submitted to USEPA and copied to Clermont County under separate cover as part of CECOS's routine CMI reporting schedule. Consistent with past events, no VOCs were detected in samples collected from the other Distal Wells in October 2022.

The next semiannual sampling event for the Distal Wells is tentatively scheduled for April 2023. Should you have any questions, please contact me at (513) 724-6114.

Sincerely,  
CECOS International, Inc.

A handwritten signature in blue ink, appearing to read 'Butch Bradburn', with a long, sweeping horizontal line extending to the right.

Butch Bradburn  
Environmental Manager

*Attachments: Laboratory Analytical Report for the October 2022 Distal Wells Sampling Event at the CECOS Aber Road Facility*

cc: Brian Marlatt, Ohio EPA, SWDO  
Joe Montello, Republic Services  
Michael Gibson, Eagon & Associates  
File: B.3

## ANALYTICAL REPORT

Eurofins Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

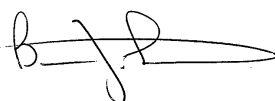
Laboratory Job ID: 480-202536-1

Client Project/Site: Aber Rd. Landfill - County Agreement

For:

Republic Services Inc  
5092 Aber Road  
Williamsburg, Ohio 45176

Attn: Butch Bradburn



Authorized for release by:

10/21/2022 1:50:42 PM

Brian Fischer, Manager of Project Management  
(716)504-9835

[Brian.Fischer@et.eurofinsus.com](mailto:Brian.Fischer@et.eurofinsus.com)

### LINKS

Review your project  
results through



Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



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Brian Fischer  
Manager of Project Management  
10/21/2022 1:50:42 PM

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## Definitions/Glossary

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

### Qualifiers

#### GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1+	Surrogate recovery exceeds control limits, high biased.

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

**Job ID: 480-202536-1**

**Laboratory: Eurofins Buffalo**

## Narrative

### Job Narrative 480-202536-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 10/10/2022 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 7.0° C.

#### Receipt Exceptions

Cooler received on 10/10/22 outside of acceptable temperature range due to FedEx delay.

MP-270 (480-202536-1), MP-215CTY (480-202536-2), MP-215BR (480-202536-3), MP-215A (480-202536-4), MP-216BR (480-202536-5), MP-252 (480-202536-6) and MP-252A (480-202536-7). Analysis to proceed as requested.

#### GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-644925 recovered above the upper control limit for Chloromethane, Trichlorofluoromethane and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MP-270 (480-202536-1), MP-215CTY (480-202536-2), MP-215BR (480-202536-3), MP-215A (480-202536-4), MP-216BR (480-202536-5) and MP-252 (480-202536-6).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-644925 recovered outside control limits for the following analytes: Isobutyl alcohol, Vinyl chloride and Chloromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260C: Surrogate recovery for the following sample was outside the upper control limit: MP-270 (480-202536-1). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8260C: Surrogate recovery for the LCS was outside the upper control limit by 1%. This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed. The following samples are impacted: MP-270 (480-202536-1), MP-215CTY (480-202536-2), MP-215BR (480-202536-3), MP-215A (480-202536-4), MP-216BR (480-202536-5) and MP-252 (480-202536-6).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-645911 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect or detects below the reporting limit (RL) for the analyte(s), the data are reported. The associated sample is impacted: MP-252A (480-202536-7).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-645911 recovered above the upper control limit for Propionitrile, Acrylonitrile, 2-Butanone (MEK), and 1,4-Dioxane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: MP-252A (480-202536-7).

Method 8260C: The laboratory control sample (LCS) for analytical batch 480-645911 recovered outside control limits for the following analytes: Acrylonitrile and 1,4-Dioxane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated sample is impacted: MP-252A (480-202536-7).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### GC Semi VOA

Method 8011: The continuing calibration verification (CCV) associated with batch 480-644928 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MP-270 (480-202536-1), MP-215CTY (480-202536-2), MP-215BR (480-202536-3), MP-215A (480-202536-4), MP-216BR (480-202536-5), MP-252 (480-202536-6) and MP-252A (480-202536-7).

## Case Narrative

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

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### Job ID: 480-202536-1 (Continued)

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#### Laboratory: Eurofins Buffalo (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

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# Client Sample Results

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

Client Sample ID: MP-270

Lab Sample ID: 480-202536-1

Date Collected: 10/03/22 14:42

Matrix: Water

Date Received: 10/10/22 09:30

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			10/12/22 07:31	1
1,1,1-Trichloroethane	ND		2.0		ug/L			10/12/22 07:31	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/L			10/12/22 07:31	1
1,1,2-Trichloroethane	ND		2.0		ug/L			10/12/22 07:31	1
1,1-Dichloroethane	ND		2.0		ug/L			10/12/22 07:31	1
1,1-Dichloroethene	ND		2.0		ug/L			10/12/22 07:31	1
1,2,3-Trichloropropane	ND		2.0		ug/L			10/12/22 07:31	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			10/12/22 07:31	1
1,2-Dichlorobenzene	ND		1.0		ug/L			10/12/22 07:31	1
1,2-Dichloroethane	ND		2.0		ug/L			10/12/22 07:31	1
1,2-Dichloroethene, Total	ND		2.0		ug/L			10/12/22 07:31	1
1,2-Dichloropropane	ND		2.0		ug/L			10/12/22 07:31	1
1,3-Dichlorobenzene	ND		1.0		ug/L			10/12/22 07:31	1
1,4-Dichlorobenzene	ND		1.0		ug/L			10/12/22 07:31	1
1,4-Dioxane	ND		40		ug/L			10/12/22 07:31	1
2-Butanone (MEK)	ND		10		ug/L			10/12/22 07:31	1
2-Hexanone	ND		10		ug/L			10/12/22 07:31	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			10/12/22 07:31	1
Acetone	ND		10		ug/L			10/12/22 07:31	1
Acetonitrile	ND		170		ug/L			10/12/22 07:31	1
Acrolein	ND		20		ug/L			10/12/22 07:31	1
Acrylonitrile	ND		20		ug/L			10/12/22 07:31	1
Allyl chloride	ND		2.0		ug/L			10/12/22 07:31	1
Benzene	ND		2.0		ug/L			10/12/22 07:31	1
Bromodichloromethane	ND		2.0		ug/L			10/12/22 07:31	1
Bromoform	ND		2.0		ug/L			10/12/22 07:31	1
Bromomethane	ND		2.0		ug/L			10/12/22 07:31	1
Carbon disulfide	ND		2.0		ug/L			10/12/22 07:31	1
Carbon tetrachloride	ND		2.0		ug/L			10/12/22 07:31	1
Chlorobenzene	ND		2.0		ug/L			10/12/22 07:31	1
Chloroethane	ND		2.0		ug/L			10/12/22 07:31	1
Chloroform	ND		2.0		ug/L			10/12/22 07:31	1
Chloromethane	ND	+	2.0		ug/L			10/12/22 07:31	1
Chloroprene	ND		1.0		ug/L			10/12/22 07:31	1
cis-1,3-Dichloropropene	ND		2.0		ug/L			10/12/22 07:31	1
Dibromochloromethane	ND		2.0		ug/L			10/12/22 07:31	1
Dibromomethane	ND		2.0		ug/L			10/12/22 07:31	1
Dichlorodifluoromethane	ND		2.0		ug/L			10/12/22 07:31	1
Ethyl methacrylate	ND		2.0		ug/L			10/12/22 07:31	1
Ethylbenzene	ND		2.0		ug/L			10/12/22 07:31	1
Hexachlorobutadiene	ND		1.0		ug/L			10/12/22 07:31	1
Iodomethane	ND		2.0		ug/L			10/12/22 07:31	1
Isobutyl alcohol	ND	+	1000		ug/L			10/12/22 07:31	1
Methacrylonitrile	ND		10		ug/L			10/12/22 07:31	1
Methyl methacrylate	ND		10		ug/L			10/12/22 07:31	1
Methylene Chloride	ND		2.0		ug/L			10/12/22 07:31	1
Naphthalene	ND		1.0		ug/L			10/12/22 07:31	1
Pentachloroethane	ND		1.0		ug/L			10/12/22 07:31	1
Propionitrile	ND		50		ug/L			10/12/22 07:31	1

Eurofins Buffalo

# Client Sample Results

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

Client Sample ID: MP-270

Lab Sample ID: 480-202536-1

Date Collected: 10/03/22 14:42

Matrix: Water

Date Received: 10/10/22 09:30

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0		ug/L			10/12/22 07:31	1
Tetrachloroethene	ND		2.0		ug/L			10/12/22 07:31	1
Tetrahydrofuran	ND		5.0		ug/L			10/12/22 07:31	1
Toluene	ND		2.0		ug/L			10/12/22 07:31	1
trans-1,3-Dichloropropene	ND		2.0		ug/L			10/12/22 07:31	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			10/12/22 07:31	1
Trichloroethene	ND		2.0		ug/L			10/12/22 07:31	1
Trichlorofluoromethane	ND		2.0		ug/L			10/12/22 07:31	1
Vinyl acetate	ND		10		ug/L			10/12/22 07:31	1
Vinyl chloride	ND	*+	1.0		ug/L			10/12/22 07:31	1
Xylenes, Total	ND		3.0		ug/L			10/12/22 07:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121	S1+	77 - 120		10/12/22 07:31	1
4-Bromofluorobenzene (Surr)	102		73 - 120		10/12/22 07:31	1
Toluene-d8 (Surr)	97		80 - 120		10/12/22 07:31	1

## Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011		ug/L		10/11/22 15:26	10/12/22 07:18	1
1,2-Dibromo-3-Chloropropane	ND		0.011		ug/L		10/11/22 15:26	10/12/22 07:18	1

## Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.03				SU			10/03/22 14:42	1
Field Conductivity	1173				umhos/cm			10/03/22 14:42	1
Field Temperature	14.4				Degrees C			10/03/22 14:42	1
Field Turbidity	2.42				NTU			10/03/22 14:42	1
Field EH/ORP	-54.0				millivolts			10/03/22 14:42	1
Ground Water Elevation	895.34				ft/msl			10/03/22 14:42	1
Oxygen, Dissolved	0.47				mg/L			10/03/22 14:42	1

# Client Sample Results

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

Client Sample ID: MP-215CTY

Lab Sample ID: 480-202536-2

Date Collected: 10/03/22 15:46

Matrix: Water

Date Received: 10/10/22 09:30

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			10/12/22 07:54	1
1,1,1-Trichloroethane	ND		2.0		ug/L			10/12/22 07:54	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/L			10/12/22 07:54	1
1,1,2-Trichloroethane	ND		2.0		ug/L			10/12/22 07:54	1
1,1-Dichloroethane	ND		2.0		ug/L			10/12/22 07:54	1
1,1-Dichloroethene	ND		2.0		ug/L			10/12/22 07:54	1
1,2,3-Trichloropropane	ND		2.0		ug/L			10/12/22 07:54	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			10/12/22 07:54	1
1,2-Dichlorobenzene	ND		1.0		ug/L			10/12/22 07:54	1
1,2-Dichloroethane	ND		2.0		ug/L			10/12/22 07:54	1
1,2-Dichloroethene, Total	ND		2.0		ug/L			10/12/22 07:54	1
1,2-Dichloropropane	ND		2.0		ug/L			10/12/22 07:54	1
1,3-Dichlorobenzene	ND		1.0		ug/L			10/12/22 07:54	1
1,4-Dichlorobenzene	ND		1.0		ug/L			10/12/22 07:54	1
1,4-Dioxane	ND		40		ug/L			10/12/22 07:54	1
2-Butanone (MEK)	ND		10		ug/L			10/12/22 07:54	1
2-Hexanone	ND		10		ug/L			10/12/22 07:54	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			10/12/22 07:54	1
Acetone	ND		10		ug/L			10/12/22 07:54	1
Acetonitrile	ND		170		ug/L			10/12/22 07:54	1
Acrolein	ND		20		ug/L			10/12/22 07:54	1
Acrylonitrile	ND		20		ug/L			10/12/22 07:54	1
Allyl chloride	ND		2.0		ug/L			10/12/22 07:54	1
Benzene	ND		2.0		ug/L			10/12/22 07:54	1
Bromodichloromethane	ND		2.0		ug/L			10/12/22 07:54	1
Bromoform	ND		2.0		ug/L			10/12/22 07:54	1
Bromomethane	ND		2.0		ug/L			10/12/22 07:54	1
Carbon disulfide	ND		2.0		ug/L			10/12/22 07:54	1
Carbon tetrachloride	ND		2.0		ug/L			10/12/22 07:54	1
Chlorobenzene	ND		2.0		ug/L			10/12/22 07:54	1
Chloroethane	ND		2.0		ug/L			10/12/22 07:54	1
Chloroform	ND		2.0		ug/L			10/12/22 07:54	1
Chloromethane	ND *		2.0		ug/L			10/12/22 07:54	1
Chloroprene	ND		1.0		ug/L			10/12/22 07:54	1
cis-1,3-Dichloropropene	ND		2.0		ug/L			10/12/22 07:54	1
Dibromochloromethane	ND		2.0		ug/L			10/12/22 07:54	1
Dibromomethane	ND		2.0		ug/L			10/12/22 07:54	1
Dichlorodifluoromethane	ND		2.0		ug/L			10/12/22 07:54	1
Ethyl methacrylate	ND		2.0		ug/L			10/12/22 07:54	1
Ethylbenzene	ND		2.0		ug/L			10/12/22 07:54	1
Hexachlorobutadiene	ND		1.0		ug/L			10/12/22 07:54	1
Iodomethane	ND		2.0		ug/L			10/12/22 07:54	1
Isobutyl alcohol	ND *		1000		ug/L			10/12/22 07:54	1
Methacrylonitrile	ND		10		ug/L			10/12/22 07:54	1
Methyl methacrylate	ND		10		ug/L			10/12/22 07:54	1
Methylene Chloride	ND		2.0		ug/L			10/12/22 07:54	1
Naphthalene	ND		1.0		ug/L			10/12/22 07:54	1
Pentachloroethane	ND		1.0		ug/L			10/12/22 07:54	1
Propionitrile	ND		50		ug/L			10/12/22 07:54	1

Eurofins Buffalo

# Client Sample Results

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

Client Sample ID: MP-215CTY

Lab Sample ID: 480-202536-2

Date Collected: 10/03/22 15:46

Matrix: Water

Date Received: 10/10/22 09:30

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0		ug/L			10/12/22 07:54	1
Tetrachloroethene	ND		2.0		ug/L			10/12/22 07:54	1
Tetrahydrofuran	ND		5.0		ug/L			10/12/22 07:54	1
Toluene	ND		2.0		ug/L			10/12/22 07:54	1
trans-1,3-Dichloropropene	ND		2.0		ug/L			10/12/22 07:54	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			10/12/22 07:54	1
Trichloroethene	ND		2.0		ug/L			10/12/22 07:54	1
Trichlorofluoromethane	ND		2.0		ug/L			10/12/22 07:54	1
Vinyl acetate	ND		10		ug/L			10/12/22 07:54	1
Vinyl chloride	ND	*+	1.0		ug/L			10/12/22 07:54	1
Xylenes, Total	ND		3.0		ug/L			10/12/22 07:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		77 - 120		10/12/22 07:54	1
4-Bromofluorobenzene (Surr)	107		73 - 120		10/12/22 07:54	1
Toluene-d8 (Surr)	100		80 - 120		10/12/22 07:54	1

## Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011		ug/L		10/11/22 15:26	10/12/22 07:38	1
1,2-Dibromo-3-Chloropropane	ND		0.011		ug/L		10/11/22 15:26	10/12/22 07:38	1

## Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.00				SU			10/03/22 15:46	1
Field Conductivity	1937				umhos/cm			10/03/22 15:46	1
Field Temperature	16.3				Degrees C			10/03/22 15:46	1
Field Turbidity	11.4				NTU			10/03/22 15:46	1
Field EH/ORP	-50.9				millivolts			10/03/22 15:46	1
Ground Water Elevation	896.11				ft/msl			10/03/22 15:46	1
Oxygen, Dissolved	0.15				mg/L			10/03/22 15:46	1

# Client Sample Results

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

Client Sample ID: MP-215BR

Lab Sample ID: 480-202536-3

Date Collected: 10/03/22 16:14

Matrix: Water

Date Received: 10/10/22 09:30

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			10/12/22 08:18	1
1,1,1-Trichloroethane	ND		2.0		ug/L			10/12/22 08:18	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/L			10/12/22 08:18	1
1,1,2-Trichloroethane	ND		2.0		ug/L			10/12/22 08:18	1
1,1-Dichloroethane	ND		2.0		ug/L			10/12/22 08:18	1
1,1-Dichloroethene	ND		2.0		ug/L			10/12/22 08:18	1
1,2,3-Trichloropropane	ND		2.0		ug/L			10/12/22 08:18	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			10/12/22 08:18	1
1,2-Dichlorobenzene	ND		1.0		ug/L			10/12/22 08:18	1
1,2-Dichloroethane	ND		2.0		ug/L			10/12/22 08:18	1
1,2-Dichloroethene, Total	ND		2.0		ug/L			10/12/22 08:18	1
1,2-Dichloropropane	ND		2.0		ug/L			10/12/22 08:18	1
1,3-Dichlorobenzene	ND		1.0		ug/L			10/12/22 08:18	1
1,4-Dichlorobenzene	ND		1.0		ug/L			10/12/22 08:18	1
1,4-Dioxane	ND		40		ug/L			10/12/22 08:18	1
2-Butanone (MEK)	ND		10		ug/L			10/12/22 08:18	1
2-Hexanone	ND		10		ug/L			10/12/22 08:18	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			10/12/22 08:18	1
Acetone	ND		10		ug/L			10/12/22 08:18	1
Acetonitrile	ND		170		ug/L			10/12/22 08:18	1
Acrolein	ND		20		ug/L			10/12/22 08:18	1
Acrylonitrile	ND		20		ug/L			10/12/22 08:18	1
Allyl chloride	ND		2.0		ug/L			10/12/22 08:18	1
Benzene	ND		2.0		ug/L			10/12/22 08:18	1
Bromodichloromethane	ND		2.0		ug/L			10/12/22 08:18	1
Bromoform	ND		2.0		ug/L			10/12/22 08:18	1
Bromomethane	ND		2.0		ug/L			10/12/22 08:18	1
Carbon disulfide	ND		2.0		ug/L			10/12/22 08:18	1
Carbon tetrachloride	ND		2.0		ug/L			10/12/22 08:18	1
Chlorobenzene	ND		2.0		ug/L			10/12/22 08:18	1
Chloroethane	ND		2.0		ug/L			10/12/22 08:18	1
Chloroform	ND		2.0		ug/L			10/12/22 08:18	1
Chloromethane	ND	+	2.0		ug/L			10/12/22 08:18	1
Chloroprene	ND		1.0		ug/L			10/12/22 08:18	1
cis-1,3-Dichloropropene	ND		2.0		ug/L			10/12/22 08:18	1
Dibromochloromethane	ND		2.0		ug/L			10/12/22 08:18	1
Dibromomethane	ND		2.0		ug/L			10/12/22 08:18	1
Dichlorodifluoromethane	ND		2.0		ug/L			10/12/22 08:18	1
Ethyl methacrylate	ND		2.0		ug/L			10/12/22 08:18	1
Ethylbenzene	ND		2.0		ug/L			10/12/22 08:18	1
Hexachlorobutadiene	ND		1.0		ug/L			10/12/22 08:18	1
Iodomethane	ND		2.0		ug/L			10/12/22 08:18	1
Isobutyl alcohol	ND	+	1000		ug/L			10/12/22 08:18	1
Methacrylonitrile	ND		10		ug/L			10/12/22 08:18	1
Methyl methacrylate	ND		10		ug/L			10/12/22 08:18	1
Methylene Chloride	ND		2.0		ug/L			10/12/22 08:18	1
Naphthalene	ND		1.0		ug/L			10/12/22 08:18	1
Pentachloroethane	ND		1.0		ug/L			10/12/22 08:18	1
Propionitrile	ND		50		ug/L			10/12/22 08:18	1

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# Client Sample Results

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

Client Sample ID: MP-215BR

Lab Sample ID: 480-202536-3

Date Collected: 10/03/22 16:14

Matrix: Water

Date Received: 10/10/22 09:30

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0		ug/L			10/12/22 08:18	1
Tetrachloroethene	ND		2.0		ug/L			10/12/22 08:18	1
Tetrahydrofuran	ND		5.0		ug/L			10/12/22 08:18	1
Toluene	ND		2.0		ug/L			10/12/22 08:18	1
trans-1,3-Dichloropropene	ND		2.0		ug/L			10/12/22 08:18	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			10/12/22 08:18	1
Trichloroethene	ND		2.0		ug/L			10/12/22 08:18	1
Trichlorofluoromethane	ND		2.0		ug/L			10/12/22 08:18	1
Vinyl acetate	ND		10		ug/L			10/12/22 08:18	1
Vinyl chloride	ND	*+	1.0		ug/L			10/12/22 08:18	1
Xylenes, Total	ND		3.0		ug/L			10/12/22 08:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		77 - 120		10/12/22 08:18	1
4-Bromofluorobenzene (Surr)	114		73 - 120		10/12/22 08:18	1
Toluene-d8 (Surr)	105		80 - 120		10/12/22 08:18	1

## Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011		ug/L		10/11/22 15:26	10/12/22 07:58	1
1,2-Dibromo-3-Chloropropane	ND		0.011		ug/L		10/11/22 15:26	10/12/22 07:58	1

## Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.76				SU			10/03/22 16:14	1
Field Conductivity	1015				umhos/cm			10/03/22 16:14	1
Field Temperature	14.4				Degrees C			10/03/22 16:14	1
Field Turbidity	1.71				NTU			10/03/22 16:14	1
Field EH/ORP	40.4				millivolts			10/03/22 16:14	1
Ground Water Elevation	894.76				ft/msl			10/03/22 16:14	1
Oxygen, Dissolved	0.12				mg/L			10/03/22 16:14	1

# Client Sample Results

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

Client Sample ID: MP-215A

Lab Sample ID: 480-202536-4

Date Collected: 10/03/22 16:40

Matrix: Water

Date Received: 10/10/22 09:30

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			10/12/22 08:41	1
1,1,1-Trichloroethane	ND		2.0		ug/L			10/12/22 08:41	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/L			10/12/22 08:41	1
1,1,2-Trichloroethane	ND		2.0		ug/L			10/12/22 08:41	1
1,1-Dichloroethane	ND		2.0		ug/L			10/12/22 08:41	1
1,1-Dichloroethene	ND		2.0		ug/L			10/12/22 08:41	1
1,2,3-Trichloropropane	ND		2.0		ug/L			10/12/22 08:41	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			10/12/22 08:41	1
1,2-Dichlorobenzene	ND		1.0		ug/L			10/12/22 08:41	1
1,2-Dichloroethane	ND		2.0		ug/L			10/12/22 08:41	1
1,2-Dichloroethene, Total	ND		2.0		ug/L			10/12/22 08:41	1
1,2-Dichloropropane	ND		2.0		ug/L			10/12/22 08:41	1
1,3-Dichlorobenzene	ND		1.0		ug/L			10/12/22 08:41	1
1,4-Dichlorobenzene	ND		1.0		ug/L			10/12/22 08:41	1
1,4-Dioxane	ND		40		ug/L			10/12/22 08:41	1
2-Butanone (MEK)	ND		10		ug/L			10/12/22 08:41	1
2-Hexanone	ND		10		ug/L			10/12/22 08:41	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			10/12/22 08:41	1
Acetone	ND		10		ug/L			10/12/22 08:41	1
Acetonitrile	ND		170		ug/L			10/12/22 08:41	1
Acrolein	ND		20		ug/L			10/12/22 08:41	1
Acrylonitrile	ND		20		ug/L			10/12/22 08:41	1
Allyl chloride	ND		2.0		ug/L			10/12/22 08:41	1
Benzene	ND		2.0		ug/L			10/12/22 08:41	1
Bromodichloromethane	ND		2.0		ug/L			10/12/22 08:41	1
Bromoform	ND		2.0		ug/L			10/12/22 08:41	1
Bromomethane	ND		2.0		ug/L			10/12/22 08:41	1
Carbon disulfide	ND		2.0		ug/L			10/12/22 08:41	1
Carbon tetrachloride	ND		2.0		ug/L			10/12/22 08:41	1
Chlorobenzene	ND		2.0		ug/L			10/12/22 08:41	1
Chloroethane	ND		2.0		ug/L			10/12/22 08:41	1
Chloroform	ND		2.0		ug/L			10/12/22 08:41	1
Chloromethane	ND	+	2.0		ug/L			10/12/22 08:41	1
Chloroprene	ND		1.0		ug/L			10/12/22 08:41	1
cis-1,3-Dichloropropene	ND		2.0		ug/L			10/12/22 08:41	1
Dibromochloromethane	ND		2.0		ug/L			10/12/22 08:41	1
Dibromomethane	ND		2.0		ug/L			10/12/22 08:41	1
Dichlorodifluoromethane	ND		2.0		ug/L			10/12/22 08:41	1
Ethyl methacrylate	ND		2.0		ug/L			10/12/22 08:41	1
Ethylbenzene	ND		2.0		ug/L			10/12/22 08:41	1
Hexachlorobutadiene	ND		1.0		ug/L			10/12/22 08:41	1
Iodomethane	ND		2.0		ug/L			10/12/22 08:41	1
Isobutyl alcohol	ND	+	1000		ug/L			10/12/22 08:41	1
Methacrylonitrile	ND		10		ug/L			10/12/22 08:41	1
Methyl methacrylate	ND		10		ug/L			10/12/22 08:41	1
Methylene Chloride	ND		2.0		ug/L			10/12/22 08:41	1
Naphthalene	ND		1.0		ug/L			10/12/22 08:41	1
Pentachloroethane	ND		1.0		ug/L			10/12/22 08:41	1
Propionitrile	ND		50		ug/L			10/12/22 08:41	1

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# Client Sample Results

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

Client Sample ID: MP-215A

Lab Sample ID: 480-202536-4

Date Collected: 10/03/22 16:40

Matrix: Water

Date Received: 10/10/22 09:30

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0		ug/L			10/12/22 08:41	1
Tetrachloroethene	ND		2.0		ug/L			10/12/22 08:41	1
Tetrahydrofuran	ND		5.0		ug/L			10/12/22 08:41	1
Toluene	ND		2.0		ug/L			10/12/22 08:41	1
trans-1,3-Dichloropropene	ND		2.0		ug/L			10/12/22 08:41	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			10/12/22 08:41	1
Trichloroethene	ND		2.0		ug/L			10/12/22 08:41	1
Trichlorofluoromethane	ND		2.0		ug/L			10/12/22 08:41	1
Vinyl acetate	ND		10		ug/L			10/12/22 08:41	1
Vinyl chloride	ND	+	1.0		ug/L			10/12/22 08:41	1
Xylenes, Total	ND		3.0		ug/L			10/12/22 08:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		77 - 120		10/12/22 08:41	1
4-Bromofluorobenzene (Surr)	106		73 - 120		10/12/22 08:41	1
Toluene-d8 (Surr)	98		80 - 120		10/12/22 08:41	1

## Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011		ug/L		10/11/22 15:26	10/12/22 08:18	1
1,2-Dibromo-3-Chloropropane	ND		0.011		ug/L		10/11/22 15:26	10/12/22 08:18	1

## Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.37				SU			10/03/22 16:40	1
Field Conductivity	2122				umhos/cm			10/03/22 16:40	1
Field Temperature	14.7				Degrees C			10/03/22 16:40	1
Field Turbidity	0.63				NTU			10/03/22 16:40	1
Field EH/ORP	-35.1				millivolts			10/03/22 16:40	1
Ground Water Elevation	894.45				ft/msl			10/03/22 16:40	1
Oxygen, Dissolved	0.13				mg/L			10/03/22 16:40	1

# Client Sample Results

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

Client Sample ID: MP-216BR

Lab Sample ID: 480-202536-5

Date Collected: 10/03/22 17:26

Matrix: Water

Date Received: 10/10/22 09:30

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			10/12/22 09:05	1
1,1,1-Trichloroethane	ND		2.0		ug/L			10/12/22 09:05	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/L			10/12/22 09:05	1
1,1,2-Trichloroethane	ND		2.0		ug/L			10/12/22 09:05	1
1,1-Dichloroethane	ND		2.0		ug/L			10/12/22 09:05	1
1,1-Dichloroethene	ND		2.0		ug/L			10/12/22 09:05	1
1,2,3-Trichloropropane	ND		2.0		ug/L			10/12/22 09:05	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			10/12/22 09:05	1
1,2-Dichlorobenzene	ND		1.0		ug/L			10/12/22 09:05	1
1,2-Dichloroethane	ND		2.0		ug/L			10/12/22 09:05	1
1,2-Dichloroethene, Total	ND		2.0		ug/L			10/12/22 09:05	1
1,2-Dichloropropane	ND		2.0		ug/L			10/12/22 09:05	1
1,3-Dichlorobenzene	ND		1.0		ug/L			10/12/22 09:05	1
1,4-Dichlorobenzene	ND		1.0		ug/L			10/12/22 09:05	1
1,4-Dioxane	ND		40		ug/L			10/12/22 09:05	1
2-Butanone (MEK)	ND		10		ug/L			10/12/22 09:05	1
2-Hexanone	ND		10		ug/L			10/12/22 09:05	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			10/12/22 09:05	1
Acetone	ND		10		ug/L			10/12/22 09:05	1
Acetonitrile	ND		170		ug/L			10/12/22 09:05	1
Acrolein	ND		20		ug/L			10/12/22 09:05	1
Acrylonitrile	ND		20		ug/L			10/12/22 09:05	1
Allyl chloride	ND		2.0		ug/L			10/12/22 09:05	1
Benzene	ND		2.0		ug/L			10/12/22 09:05	1
Bromodichloromethane	ND		2.0		ug/L			10/12/22 09:05	1
Bromoform	ND		2.0		ug/L			10/12/22 09:05	1
Bromomethane	ND		2.0		ug/L			10/12/22 09:05	1
Carbon disulfide	ND		2.0		ug/L			10/12/22 09:05	1
Carbon tetrachloride	ND		2.0		ug/L			10/12/22 09:05	1
Chlorobenzene	ND		2.0		ug/L			10/12/22 09:05	1
Chloroethane	ND		2.0		ug/L			10/12/22 09:05	1
Chloroform	ND		2.0		ug/L			10/12/22 09:05	1
Chloromethane	ND	+	2.0		ug/L			10/12/22 09:05	1
Chloroprene	ND		1.0		ug/L			10/12/22 09:05	1
cis-1,3-Dichloropropene	ND		2.0		ug/L			10/12/22 09:05	1
Dibromochloromethane	ND		2.0		ug/L			10/12/22 09:05	1
Dibromomethane	ND		2.0		ug/L			10/12/22 09:05	1
Dichlorodifluoromethane	ND		2.0		ug/L			10/12/22 09:05	1
Ethyl methacrylate	ND		2.0		ug/L			10/12/22 09:05	1
Ethylbenzene	ND		2.0		ug/L			10/12/22 09:05	1
Hexachlorobutadiene	ND		1.0		ug/L			10/12/22 09:05	1
Iodomethane	ND		2.0		ug/L			10/12/22 09:05	1
Isobutyl alcohol	ND	+	1000		ug/L			10/12/22 09:05	1
Methacrylonitrile	ND		10		ug/L			10/12/22 09:05	1
Methyl methacrylate	ND		10		ug/L			10/12/22 09:05	1
Methylene Chloride	ND		2.0		ug/L			10/12/22 09:05	1
Naphthalene	ND		1.0		ug/L			10/12/22 09:05	1
Pentachloroethane	ND		1.0		ug/L			10/12/22 09:05	1
Propionitrile	ND		50		ug/L			10/12/22 09:05	1

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# Client Sample Results

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

Client Sample ID: MP-216BR

Lab Sample ID: 480-202536-5

Date Collected: 10/03/22 17:26

Matrix: Water

Date Received: 10/10/22 09:30

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0		ug/L			10/12/22 09:05	1
Tetrachloroethene	ND		2.0		ug/L			10/12/22 09:05	1
Tetrahydrofuran	ND		5.0		ug/L			10/12/22 09:05	1
Toluene	ND		2.0		ug/L			10/12/22 09:05	1
trans-1,3-Dichloropropene	ND		2.0		ug/L			10/12/22 09:05	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			10/12/22 09:05	1
Trichloroethene	ND		2.0		ug/L			10/12/22 09:05	1
Trichlorofluoromethane	ND		2.0		ug/L			10/12/22 09:05	1
Vinyl acetate	ND		10		ug/L			10/12/22 09:05	1
Vinyl chloride	ND	*+	1.0		ug/L			10/12/22 09:05	1
Xylenes, Total	ND		3.0		ug/L			10/12/22 09:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		77 - 120		10/12/22 09:05	1
4-Bromofluorobenzene (Surr)	105		73 - 120		10/12/22 09:05	1
Toluene-d8 (Surr)	97		80 - 120		10/12/22 09:05	1

## Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011		ug/L		10/11/22 15:26	10/12/22 08:38	1
1,2-Dibromo-3-Chloropropane	ND		0.011		ug/L		10/11/22 15:26	10/12/22 08:38	1

## Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.73				SU			10/03/22 17:26	1
Field Conductivity	1158				umhos/cm			10/03/22 17:26	1
Field Temperature	15.0				Degrees C			10/03/22 17:26	1
Field Turbidity	1.31				NTU			10/03/22 17:26	1
Field EH/ORP	-35.5				millivolts			10/03/22 17:26	1
Ground Water Elevation	897.91				ft/msl			10/03/22 17:26	1
Oxygen, Dissolved	0.13				mg/L			10/03/22 17:26	1

# Client Sample Results

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

Client Sample ID: MP-252

Lab Sample ID: 480-202536-6

Date Collected: 10/03/22 18:18

Matrix: Water

Date Received: 10/10/22 09:30

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			10/12/22 09:28	1
1,1,1-Trichloroethane	ND		2.0		ug/L			10/12/22 09:28	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/L			10/12/22 09:28	1
1,1,2-Trichloroethane	ND		2.0		ug/L			10/12/22 09:28	1
1,1-Dichloroethane	ND		2.0		ug/L			10/12/22 09:28	1
1,1-Dichloroethene	ND		2.0		ug/L			10/12/22 09:28	1
1,2,3-Trichloropropane	ND		2.0		ug/L			10/12/22 09:28	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			10/12/22 09:28	1
1,2-Dichlorobenzene	ND		1.0		ug/L			10/12/22 09:28	1
1,2-Dichloroethane	ND		2.0		ug/L			10/12/22 09:28	1
1,2-Dichloroethene, Total	ND		2.0		ug/L			10/12/22 09:28	1
1,2-Dichloropropane	ND		2.0		ug/L			10/12/22 09:28	1
1,3-Dichlorobenzene	ND		1.0		ug/L			10/12/22 09:28	1
1,4-Dichlorobenzene	ND		1.0		ug/L			10/12/22 09:28	1
1,4-Dioxane	ND		40		ug/L			10/12/22 09:28	1
2-Butanone (MEK)	ND		10		ug/L			10/12/22 09:28	1
2-Hexanone	ND		10		ug/L			10/12/22 09:28	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			10/12/22 09:28	1
Acetone	ND		10		ug/L			10/12/22 09:28	1
Acetonitrile	ND		170		ug/L			10/12/22 09:28	1
Acrolein	ND		20		ug/L			10/12/22 09:28	1
Acrylonitrile	ND		20		ug/L			10/12/22 09:28	1
Allyl chloride	ND		2.0		ug/L			10/12/22 09:28	1
Benzene	ND		2.0		ug/L			10/12/22 09:28	1
Bromodichloromethane	ND		2.0		ug/L			10/12/22 09:28	1
Bromoform	ND		2.0		ug/L			10/12/22 09:28	1
Bromomethane	ND		2.0		ug/L			10/12/22 09:28	1
Carbon disulfide	ND		2.0		ug/L			10/12/22 09:28	1
Carbon tetrachloride	ND		2.0		ug/L			10/12/22 09:28	1
Chlorobenzene	ND		2.0		ug/L			10/12/22 09:28	1
Chloroethane	ND		2.0		ug/L			10/12/22 09:28	1
Chloroform	ND		2.0		ug/L			10/12/22 09:28	1
Chloromethane	ND	+	2.0		ug/L			10/12/22 09:28	1
Chloroprene	ND		1.0		ug/L			10/12/22 09:28	1
cis-1,3-Dichloropropene	ND		2.0		ug/L			10/12/22 09:28	1
Dibromochloromethane	ND		2.0		ug/L			10/12/22 09:28	1
Dibromomethane	ND		2.0		ug/L			10/12/22 09:28	1
Dichlorodifluoromethane	ND		2.0		ug/L			10/12/22 09:28	1
Ethyl methacrylate	ND		2.0		ug/L			10/12/22 09:28	1
Ethylbenzene	ND		2.0		ug/L			10/12/22 09:28	1
Hexachlorobutadiene	ND		1.0		ug/L			10/12/22 09:28	1
Iodomethane	ND		2.0		ug/L			10/12/22 09:28	1
Isobutyl alcohol	ND	+	1000		ug/L			10/12/22 09:28	1
Methacrylonitrile	ND		10		ug/L			10/12/22 09:28	1
Methyl methacrylate	ND		10		ug/L			10/12/22 09:28	1
Methylene Chloride	ND		2.0		ug/L			10/12/22 09:28	1
Naphthalene	ND		1.0		ug/L			10/12/22 09:28	1
Pentachloroethane	ND		1.0		ug/L			10/12/22 09:28	1
Propionitrile	ND		50		ug/L			10/12/22 09:28	1

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# Client Sample Results

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

Client Sample ID: MP-252

Lab Sample ID: 480-202536-6

Date Collected: 10/03/22 18:18

Matrix: Water

Date Received: 10/10/22 09:30

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0		ug/L			10/12/22 09:28	1
Tetrachloroethene	ND		2.0		ug/L			10/12/22 09:28	1
Tetrahydrofuran	ND		5.0		ug/L			10/12/22 09:28	1
Toluene	ND		2.0		ug/L			10/12/22 09:28	1
trans-1,3-Dichloropropene	ND		2.0		ug/L			10/12/22 09:28	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			10/12/22 09:28	1
Trichloroethene	ND		2.0		ug/L			10/12/22 09:28	1
Trichlorofluoromethane	ND		2.0		ug/L			10/12/22 09:28	1
Vinyl acetate	ND		10		ug/L			10/12/22 09:28	1
Vinyl chloride	ND	*+	1.0		ug/L			10/12/22 09:28	1
Xylenes, Total	ND		3.0		ug/L			10/12/22 09:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		77 - 120		10/12/22 09:28	1
4-Bromofluorobenzene (Surr)	98		73 - 120		10/12/22 09:28	1
Toluene-d8 (Surr)	96		80 - 120		10/12/22 09:28	1

## Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011		ug/L		10/11/22 15:26	10/12/22 09:17	1
1,2-Dibromo-3-Chloropropane	ND		0.011		ug/L		10/11/22 15:26	10/12/22 09:17	1

## Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.97				SU			10/03/22 18:18	1
Field Conductivity	2425				umhos/cm			10/03/22 18:18	1
Field Temperature	16.1				Degrees C			10/03/22 18:18	1
Field Turbidity	0.56				NTU			10/03/22 18:18	1
Field EH/ORP	-80.5				millivolts			10/03/22 18:18	1
Ground Water Elevation	894.59				ft/msl			10/03/22 18:18	1
Oxygen, Dissolved	0.03				mg/L			10/03/22 18:18	1

# Client Sample Results

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

Client Sample ID: MP-252A

Lab Sample ID: 480-202536-7

Date Collected: 10/04/22 09:02

Matrix: Water

Date Received: 10/10/22 09:30

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			10/18/22 03:35	1
1,1,1-Trichloroethane	ND		2.0		ug/L			10/18/22 03:35	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/L			10/18/22 03:35	1
1,1,2-Trichloroethane	ND		2.0		ug/L			10/18/22 03:35	1
1,1-Dichloroethane	ND		2.0		ug/L			10/18/22 03:35	1
1,1-Dichloroethene	ND		2.0		ug/L			10/18/22 03:35	1
1,2,3-Trichloropropane	ND		2.0		ug/L			10/18/22 03:35	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			10/18/22 03:35	1
1,2-Dichlorobenzene	ND		1.0		ug/L			10/18/22 03:35	1
1,2-Dichloroethane	ND		2.0		ug/L			10/18/22 03:35	1
1,2-Dichloroethene, Total	ND		2.0		ug/L			10/18/22 03:35	1
1,2-Dichloropropane	ND		2.0		ug/L			10/18/22 03:35	1
1,3-Dichlorobenzene	ND		1.0		ug/L			10/18/22 03:35	1
1,4-Dichlorobenzene	ND		1.0		ug/L			10/18/22 03:35	1
1,4-Dioxane	ND	+	40		ug/L			10/18/22 03:35	1
2-Butanone (MEK)	ND		10		ug/L			10/18/22 03:35	1
2-Hexanone	ND		10		ug/L			10/18/22 03:35	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			10/18/22 03:35	1
Acetone	ND		10		ug/L			10/18/22 03:35	1
Acetonitrile	ND		170		ug/L			10/18/22 03:35	1
Acrolein	ND		20		ug/L			10/18/22 03:35	1
Acrylonitrile	ND	+	20		ug/L			10/18/22 03:35	1
Allyl chloride	ND		2.0		ug/L			10/18/22 03:35	1
Benzene	ND		2.0		ug/L			10/18/22 03:35	1
Bromodichloromethane	ND		2.0		ug/L			10/18/22 03:35	1
Bromoform	ND		2.0		ug/L			10/18/22 03:35	1
Bromomethane	ND		2.0		ug/L			10/18/22 03:35	1
Carbon disulfide	ND		2.0		ug/L			10/18/22 03:35	1
Carbon tetrachloride	ND		2.0		ug/L			10/18/22 03:35	1
Chlorobenzene	ND		2.0		ug/L			10/18/22 03:35	1
Chloroethane	ND		2.0		ug/L			10/18/22 03:35	1
Chloroform	ND		2.0		ug/L			10/18/22 03:35	1
Chloromethane	ND		2.0		ug/L			10/18/22 03:35	1
Chloroprene	ND		1.0		ug/L			10/18/22 03:35	1
cis-1,3-Dichloropropene	ND		2.0		ug/L			10/18/22 03:35	1
Dibromochloromethane	ND		2.0		ug/L			10/18/22 03:35	1
Dibromomethane	ND		2.0		ug/L			10/18/22 03:35	1
Dichlorodifluoromethane	ND		2.0		ug/L			10/18/22 03:35	1
Ethyl methacrylate	ND		2.0		ug/L			10/18/22 03:35	1
Ethylbenzene	ND		2.0		ug/L			10/18/22 03:35	1
Hexachlorobutadiene	ND		1.0		ug/L			10/18/22 03:35	1
Iodomethane	ND		2.0		ug/L			10/18/22 03:35	1
Isobutyl alcohol	ND		1000		ug/L			10/18/22 03:35	1
Methacrylonitrile	ND		10		ug/L			10/18/22 03:35	1
Methyl methacrylate	ND		10		ug/L			10/18/22 03:35	1
Methylene Chloride	ND		2.0		ug/L			10/18/22 03:35	1
Naphthalene	ND		1.0		ug/L			10/18/22 03:35	1
Pentachloroethane	ND		1.0		ug/L			10/18/22 03:35	1
Propionitrile	ND		50		ug/L			10/18/22 03:35	1

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# Client Sample Results

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

Client Sample ID: MP-252A

Lab Sample ID: 480-202536-7

Date Collected: 10/04/22 09:02

Matrix: Water

Date Received: 10/10/22 09:30

## Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0		ug/L			10/18/22 03:35	1
Tetrachloroethene	ND		2.0		ug/L			10/18/22 03:35	1
Tetrahydrofuran	ND		5.0		ug/L			10/18/22 03:35	1
Toluene	ND		2.0		ug/L			10/18/22 03:35	1
trans-1,3-Dichloropropene	ND		2.0		ug/L			10/18/22 03:35	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			10/18/22 03:35	1
Trichloroethene	ND		2.0		ug/L			10/18/22 03:35	1
Trichlorofluoromethane	ND		2.0		ug/L			10/18/22 03:35	1
Vinyl acetate	ND		10		ug/L			10/18/22 03:35	1
Vinyl chloride	ND		1.0		ug/L			10/18/22 03:35	1
Xylenes, Total	ND		3.0		ug/L			10/18/22 03:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		10/18/22 03:35	1
4-Bromofluorobenzene (Surr)	100		73 - 120		10/18/22 03:35	1
Toluene-d8 (Surr)	99		80 - 120		10/18/22 03:35	1

## Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011		ug/L		10/11/22 15:26	10/12/22 09:37	1
1,2-Dibromo-3-Chloropropane	ND		0.011		ug/L		10/11/22 15:26	10/12/22 09:37	1

## Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.99				SU			10/04/22 09:02	1
Field Conductivity	1225				umhos/cm			10/04/22 09:02	1
Field Temperature	15.8				Degrees C			10/04/22 09:02	1
Field Turbidity	1.62				NTU			10/04/22 09:02	1
Field EH/ORP	-45.7				millivolts			10/04/22 09:02	1
Ground Water Elevation	891.91				ft/msl			10/04/22 09:02	1
Oxygen, Dissolved	0.09				mg/L			10/04/22 09:02	1

## Surrogate Summary

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

### Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	DCA	BFB	TOL
		(77-120)	(73-120)	(80-120)
480-202536-1	MP-270	121 S1+	102	97
480-202536-2	MP-215CTY	120	107	100
480-202536-3	MP-215BR	115	114	105
480-202536-4	MP-215A	117	106	98
480-202536-5	MP-216BR	117	105	97
480-202536-6	MP-252	117	98	96
480-202536-7	MP-252A	110	100	99
LCS 480-644925/6	Lab Control Sample	121 S1+	107	97
LCS 480-645911/6	Lab Control Sample	112	105	102
MB 480-644925/8	Method Blank	117	104	97
MB 480-645911/8	Method Blank	105	99	101

#### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

# QC Sample Results

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

## Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-644925/8

Matrix: Water

Analysis Batch: 644925

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			10/12/22 01:36	1
1,1,1-Trichloroethane	ND		2.0		ug/L			10/12/22 01:36	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/L			10/12/22 01:36	1
1,1,2-Trichloroethane	ND		2.0		ug/L			10/12/22 01:36	1
1,1-Dichloroethane	ND		2.0		ug/L			10/12/22 01:36	1
1,1-Dichloroethene	ND		2.0		ug/L			10/12/22 01:36	1
1,2,3-Trichloropropane	ND		2.0		ug/L			10/12/22 01:36	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			10/12/22 01:36	1
1,2-Dichlorobenzene	ND		1.0		ug/L			10/12/22 01:36	1
1,2-Dichloroethane	ND		2.0		ug/L			10/12/22 01:36	1
1,2-Dichloroethene, Total	ND		2.0		ug/L			10/12/22 01:36	1
1,2-Dichloropropane	ND		2.0		ug/L			10/12/22 01:36	1
1,3-Dichlorobenzene	ND		1.0		ug/L			10/12/22 01:36	1
1,4-Dichlorobenzene	ND		1.0		ug/L			10/12/22 01:36	1
1,4-Dioxane	ND		40		ug/L			10/12/22 01:36	1
2-Butanone (MEK)	ND		10		ug/L			10/12/22 01:36	1
2-Hexanone	ND		10		ug/L			10/12/22 01:36	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			10/12/22 01:36	1
Acetone	ND		10		ug/L			10/12/22 01:36	1
Acetonitrile	ND		170		ug/L			10/12/22 01:36	1
Acrolein	ND		20		ug/L			10/12/22 01:36	1
Acrylonitrile	ND		20		ug/L			10/12/22 01:36	1
Allyl chloride	ND		2.0		ug/L			10/12/22 01:36	1
Benzene	ND		2.0		ug/L			10/12/22 01:36	1
Bromodichloromethane	ND		2.0		ug/L			10/12/22 01:36	1
Bromoform	ND		2.0		ug/L			10/12/22 01:36	1
Bromomethane	ND		2.0		ug/L			10/12/22 01:36	1
Carbon disulfide	ND		2.0		ug/L			10/12/22 01:36	1
Carbon tetrachloride	ND		2.0		ug/L			10/12/22 01:36	1
Chlorobenzene	ND		2.0		ug/L			10/12/22 01:36	1
Chloroethane	ND		2.0		ug/L			10/12/22 01:36	1
Chloroform	ND		2.0		ug/L			10/12/22 01:36	1
Chloromethane	ND		2.0		ug/L			10/12/22 01:36	1
Chloroprene	ND		1.0		ug/L			10/12/22 01:36	1
cis-1,3-Dichloropropene	ND		2.0		ug/L			10/12/22 01:36	1
Dibromochloromethane	ND		2.0		ug/L			10/12/22 01:36	1
Dibromomethane	ND		2.0		ug/L			10/12/22 01:36	1
Dichlorodifluoromethane	ND		2.0		ug/L			10/12/22 01:36	1
Ethyl methacrylate	ND		2.0		ug/L			10/12/22 01:36	1
Ethylbenzene	ND		2.0		ug/L			10/12/22 01:36	1
Hexachlorobutadiene	ND		1.0		ug/L			10/12/22 01:36	1
Iodomethane	ND		2.0		ug/L			10/12/22 01:36	1
Isobutyl alcohol	ND		1000		ug/L			10/12/22 01:36	1
Methacrylonitrile	ND		10		ug/L			10/12/22 01:36	1
Methyl methacrylate	ND		10		ug/L			10/12/22 01:36	1
Methylene Chloride	ND		2.0		ug/L			10/12/22 01:36	1
Naphthalene	ND		1.0		ug/L			10/12/22 01:36	1
Pentachloroethane	ND		1.0		ug/L			10/12/22 01:36	1

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# QC Sample Results

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-644925/8

Matrix: Water

Analysis Batch: 644925

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Propionitrile	ND		50		ug/L			10/12/22 01:36	1
Styrene	ND		2.0		ug/L			10/12/22 01:36	1
Tetrachloroethene	ND		2.0		ug/L			10/12/22 01:36	1
Tetrahydrofuran	ND		5.0		ug/L			10/12/22 01:36	1
Toluene	ND		2.0		ug/L			10/12/22 01:36	1
trans-1,3-Dichloropropene	ND		2.0		ug/L			10/12/22 01:36	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			10/12/22 01:36	1
Trichloroethene	ND		2.0		ug/L			10/12/22 01:36	1
Trichlorofluoromethane	ND		2.0		ug/L			10/12/22 01:36	1
Vinyl acetate	ND		10		ug/L			10/12/22 01:36	1
Vinyl chloride	ND		1.0		ug/L			10/12/22 01:36	1
Xylenes, Total	ND		3.0		ug/L			10/12/22 01:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		77 - 120		10/12/22 01:36	1
4-Bromofluorobenzene (Surr)	104		73 - 120		10/12/22 01:36	1
Toluene-d8 (Surr)	97		80 - 120		10/12/22 01:36	1

Lab Sample ID: LCS 480-644925/6

Matrix: Water

Analysis Batch: 644925

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	25.0	24.9		ug/L		100	66 - 127
Benzene	25.0	25.1		ug/L		100	71 - 124
Chlorobenzene	25.0	22.8		ug/L		91	80 - 120
Toluene	25.0	21.9		ug/L		87	80 - 122
Trichloroethene	25.0	25.8		ug/L		103	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	121	S1+	77 - 120
4-Bromofluorobenzene (Surr)	107		73 - 120
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: MB 480-645911/8

Matrix: Water

Analysis Batch: 645911

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			10/18/22 01:40	1
1,1,1-Trichloroethane	ND		2.0		ug/L			10/18/22 01:40	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/L			10/18/22 01:40	1
1,1,2-Trichloroethane	ND		2.0		ug/L			10/18/22 01:40	1
1,1-Dichloroethane	ND		2.0		ug/L			10/18/22 01:40	1
1,1-Dichloroethene	ND		2.0		ug/L			10/18/22 01:40	1
1,2,3-Trichloropropane	ND		2.0		ug/L			10/18/22 01:40	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			10/18/22 01:40	1
1,2-Dichlorobenzene	ND		1.0		ug/L			10/18/22 01:40	1

Eurofins Buffalo

# QC Sample Results

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-645911/8

Matrix: Water

Analysis Batch: 645911

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		2.0		ug/L			10/18/22 01:40	1
1,2-Dichloroethene, Total	ND		2.0		ug/L			10/18/22 01:40	1
1,2-Dichloropropane	ND		2.0		ug/L			10/18/22 01:40	1
1,3-Dichlorobenzene	ND		1.0		ug/L			10/18/22 01:40	1
1,4-Dichlorobenzene	ND		1.0		ug/L			10/18/22 01:40	1
1,4-Dioxane	ND		40		ug/L			10/18/22 01:40	1
2-Butanone (MEK)	ND		10		ug/L			10/18/22 01:40	1
2-Hexanone	ND		10		ug/L			10/18/22 01:40	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			10/18/22 01:40	1
Acetone	ND		10		ug/L			10/18/22 01:40	1
Acetonitrile	ND		170		ug/L			10/18/22 01:40	1
Acrolein	ND		20		ug/L			10/18/22 01:40	1
Acrylonitrile	ND		20		ug/L			10/18/22 01:40	1
Allyl chloride	ND		2.0		ug/L			10/18/22 01:40	1
Benzene	ND		2.0		ug/L			10/18/22 01:40	1
Bromodichloromethane	ND		2.0		ug/L			10/18/22 01:40	1
Bromoform	ND		2.0		ug/L			10/18/22 01:40	1
Bromomethane	ND		2.0		ug/L			10/18/22 01:40	1
Carbon disulfide	ND		2.0		ug/L			10/18/22 01:40	1
Carbon tetrachloride	ND		2.0		ug/L			10/18/22 01:40	1
Chlorobenzene	ND		2.0		ug/L			10/18/22 01:40	1
Chloroethane	ND		2.0		ug/L			10/18/22 01:40	1
Chloroform	ND		2.0		ug/L			10/18/22 01:40	1
Chloromethane	ND		2.0		ug/L			10/18/22 01:40	1
Chloroprene	ND		1.0		ug/L			10/18/22 01:40	1
cis-1,3-Dichloropropene	ND		2.0		ug/L			10/18/22 01:40	1
Dibromochloromethane	ND		2.0		ug/L			10/18/22 01:40	1
Dibromomethane	ND		2.0		ug/L			10/18/22 01:40	1
Dichlorodifluoromethane	ND		2.0		ug/L			10/18/22 01:40	1
Ethyl methacrylate	ND		2.0		ug/L			10/18/22 01:40	1
Ethylbenzene	ND		2.0		ug/L			10/18/22 01:40	1
Hexachlorobutadiene	ND		1.0		ug/L			10/18/22 01:40	1
Iodomethane	ND		2.0		ug/L			10/18/22 01:40	1
Isobutyl alcohol	ND		1000		ug/L			10/18/22 01:40	1
Methacrylonitrile	ND		10		ug/L			10/18/22 01:40	1
Methyl methacrylate	ND		10		ug/L			10/18/22 01:40	1
Methylene Chloride	ND		2.0		ug/L			10/18/22 01:40	1
Naphthalene	ND		1.0		ug/L			10/18/22 01:40	1
Pentachloroethane	ND		1.0		ug/L			10/18/22 01:40	1
Propionitrile	ND		50		ug/L			10/18/22 01:40	1
Styrene	ND		2.0		ug/L			10/18/22 01:40	1
Tetrachloroethene	ND		2.0		ug/L			10/18/22 01:40	1
Tetrahydrofuran	ND		5.0		ug/L			10/18/22 01:40	1
Toluene	ND		2.0		ug/L			10/18/22 01:40	1
trans-1,3-Dichloropropene	ND		2.0		ug/L			10/18/22 01:40	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			10/18/22 01:40	1
Trichloroethene	ND		2.0		ug/L			10/18/22 01:40	1
Trichlorofluoromethane	ND		2.0		ug/L			10/18/22 01:40	1
Vinyl acetate	ND		10		ug/L			10/18/22 01:40	1

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# QC Sample Results

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-645911/8

Matrix: Water

Analysis Batch: 645911

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0		ug/L			10/18/22 01:40	1
Xylenes, Total	ND		3.0		ug/L			10/18/22 01:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		10/18/22 01:40	1
4-Bromofluorobenzene (Surr)	99		73 - 120		10/18/22 01:40	1
Toluene-d8 (Surr)	101		80 - 120		10/18/22 01:40	1

Lab Sample ID: LCS 480-645911/6

Matrix: Water

Analysis Batch: 645911

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	25.0	26.0		ug/L		104	66 - 127
Benzene	25.0	27.2		ug/L		109	71 - 124
Chlorobenzene	25.0	25.7		ug/L		103	80 - 120
Toluene	25.0	26.0		ug/L		104	80 - 122
Trichloroethene	25.0	26.5		ug/L		106	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	112		77 - 120
4-Bromofluorobenzene (Surr)	105		73 - 120
Toluene-d8 (Surr)	102		80 - 120

## Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 480-644942/1-A

Matrix: Water

Analysis Batch: 644928

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 644942

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.011		ug/L		10/11/22 15:26	10/11/22 22:57	1
1,2-Dibromo-3-Chloropropane	ND		0.011		ug/L		10/11/22 15:26	10/11/22 22:57	1

Lab Sample ID: LCS 480-644942/2-A

Matrix: Water

Analysis Batch: 644928

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 644942

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane	0.109	0.119		ug/L		109	46 - 150
1,2-Dibromo-3-Chloropropane	0.109	0.119		ug/L		109	43 - 150

Lab Sample ID: LCSD 480-644942/3-A

Matrix: Water

Analysis Batch: 644928

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 644942

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromoethane	0.110	0.124		ug/L		112	46 - 150	4	40
1,2-Dibromo-3-Chloropropane	0.110	0.133		ug/L		121	43 - 150	11	40

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## QC Association Summary

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

### GC/MS VOA

#### Analysis Batch: 644925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202536-1	MP-270	Total/NA	Water	8260C	
480-202536-2	MP-215CTY	Total/NA	Water	8260C	
480-202536-3	MP-215BR	Total/NA	Water	8260C	
480-202536-4	MP-215A	Total/NA	Water	8260C	
480-202536-5	MP-216BR	Total/NA	Water	8260C	
480-202536-6	MP-252	Total/NA	Water	8260C	
MB 480-644925/8	Method Blank	Total/NA	Water	8260C	
LCS 480-644925/6	Lab Control Sample	Total/NA	Water	8260C	

#### Analysis Batch: 645911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202536-7	MP-252A	Total/NA	Water	8260C	
MB 480-645911/8	Method Blank	Total/NA	Water	8260C	
LCS 480-645911/6	Lab Control Sample	Total/NA	Water	8260C	

### GC Semi VOA

#### Analysis Batch: 644928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202536-1	MP-270	Total/NA	Water	8011	644942
480-202536-2	MP-215CTY	Total/NA	Water	8011	644942
480-202536-3	MP-215BR	Total/NA	Water	8011	644942
480-202536-4	MP-215A	Total/NA	Water	8011	644942
480-202536-5	MP-216BR	Total/NA	Water	8011	644942
480-202536-6	MP-252	Total/NA	Water	8011	644942
480-202536-7	MP-252A	Total/NA	Water	8011	644942
MB 480-644942/1-A	Method Blank	Total/NA	Water	8011	644942
LCS 480-644942/2-A	Lab Control Sample	Total/NA	Water	8011	644942
LCSD 480-644942/3-A	Lab Control Sample Dup	Total/NA	Water	8011	644942

#### Prep Batch: 644942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202536-1	MP-270	Total/NA	Water	8011	
480-202536-2	MP-215CTY	Total/NA	Water	8011	
480-202536-3	MP-215BR	Total/NA	Water	8011	
480-202536-4	MP-215A	Total/NA	Water	8011	
480-202536-5	MP-216BR	Total/NA	Water	8011	
480-202536-6	MP-252	Total/NA	Water	8011	
480-202536-7	MP-252A	Total/NA	Water	8011	
MB 480-644942/1-A	Method Blank	Total/NA	Water	8011	
LCS 480-644942/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 480-644942/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

### Field Service / Mobile Lab

#### Analysis Batch: 646396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202536-1	MP-270	Total/NA	Water	Field Sampling	
480-202536-2	MP-215CTY	Total/NA	Water	Field Sampling	
480-202536-3	MP-215BR	Total/NA	Water	Field Sampling	
480-202536-4	MP-215A	Total/NA	Water	Field Sampling	
480-202536-5	MP-216BR	Total/NA	Water	Field Sampling	

Eurofins Buffalo

## QC Association Summary

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

### Field Service / Mobile Lab (Continued)

#### Analysis Batch: 646396 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202536-6	MP-252	Total/NA	Water	Field Sampling	
480-202536-7	MP-252A	Total/NA	Water	Field Sampling	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

# Lab Chronicle

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

**Client Sample ID: MP-270**

**Lab Sample ID: 480-202536-1**

**Date Collected: 10/03/22 14:42**

**Matrix: Water**

**Date Received: 10/10/22 09:30**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	644925	CR	EET BUF	10/12/22 07:31
Total/NA	Prep	8011			644942	DSC	EET BUF	10/11/22 15:26
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/12/22 07:18
Total/NA	Analysis	Field Sampling		1	646396	FLD	EET BUF	10/03/22 14:42

**Client Sample ID: MP-215CTY**

**Lab Sample ID: 480-202536-2**

**Date Collected: 10/03/22 15:46**

**Matrix: Water**

**Date Received: 10/10/22 09:30**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	644925	CR	EET BUF	10/12/22 07:54
Total/NA	Prep	8011			644942	DSC	EET BUF	10/11/22 15:26
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/12/22 07:38
Total/NA	Analysis	Field Sampling		1	646396	FLD	EET BUF	10/03/22 15:46

**Client Sample ID: MP-215BR**

**Lab Sample ID: 480-202536-3**

**Date Collected: 10/03/22 16:14**

**Matrix: Water**

**Date Received: 10/10/22 09:30**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	644925	CR	EET BUF	10/12/22 08:18
Total/NA	Prep	8011			644942	DSC	EET BUF	10/11/22 15:26
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/12/22 07:58
Total/NA	Analysis	Field Sampling		1	646396	FLD	EET BUF	10/03/22 16:14

**Client Sample ID: MP-215A**

**Lab Sample ID: 480-202536-4**

**Date Collected: 10/03/22 16:40**

**Matrix: Water**

**Date Received: 10/10/22 09:30**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	644925	CR	EET BUF	10/12/22 08:41
Total/NA	Prep	8011			644942	DSC	EET BUF	10/11/22 15:26
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/12/22 08:18
Total/NA	Analysis	Field Sampling		1	646396	FLD	EET BUF	10/03/22 16:40

**Client Sample ID: MP-216BR**

**Lab Sample ID: 480-202536-5**

**Date Collected: 10/03/22 17:26**

**Matrix: Water**

**Date Received: 10/10/22 09:30**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	644925	CR	EET BUF	10/12/22 09:05
Total/NA	Prep	8011			644942	DSC	EET BUF	10/11/22 15:26
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/12/22 08:38
Total/NA	Analysis	Field Sampling		1	646396	FLD	EET BUF	10/03/22 17:26

Eurofins Buffalo

# Lab Chronicle

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

**Client Sample ID: MP-252**

**Lab Sample ID: 480-202536-6**

**Date Collected: 10/03/22 18:18**

**Matrix: Water**

**Date Received: 10/10/22 09:30**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	644925	CR	EET BUF	10/12/22 09:28
Total/NA	Prep	8011			644942	DSC	EET BUF	10/11/22 15:26
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/12/22 09:17
Total/NA	Analysis	Field Sampling		1	646396	FLD	EET BUF	10/03/22 18:18

**Client Sample ID: MP-252A**

**Lab Sample ID: 480-202536-7**

**Date Collected: 10/04/22 09:02**

**Matrix: Water**

**Date Received: 10/10/22 09:30**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	645911	ATG	EET BUF	10/18/22 03:35
Total/NA	Prep	8011			644942	DSC	EET BUF	10/11/22 15:26
Total/NA	Analysis	8011		1	644928	DSC	EET BUF	10/12/22 09:37
Total/NA	Analysis	Field Sampling		1	646396	FLD	EET BUF	10/04/22 09:02

## Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

## Accreditation/Certification Summary

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

### Laboratory: Eurofins Buffalo

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-0686	07-06-22 *
Connecticut	State	PH-0568	03-31-24
Florida	NELAP	E87672	06-30-23
Georgia	State	10026 (NY)	04-01-23
Georgia	State Program	N/A	03-31-09 *
Georgia (DW)	State	956	03-31-23
Illinois	NELAP	200003	09-30-23
Iowa	State	374	03-01-23
Iowa	State Program	374	03-01-09 *
Kansas	NELAP	E-10187	01-31-23
Kentucky (DW)	State	90029	12-31-22
Kentucky (UST)	State	30	04-01-23
Kentucky (WW)	State	KY90029	12-31-22
Louisiana	NELAP	02031	06-30-23
Louisiana (All)	NELAP	02031	06-30-23
Maine	State	NY00044	12-04-22
Maryland	State	294	03-31-23
Massachusetts	State	M-NY044	06-30-23
Michigan	State	9937	03-31-23
Michigan	State Program	9937	04-01-09 *
New Hampshire	NELAP	2973	09-11-19 *
New Hampshire	NELAP	2337	11-17-22
New Jersey	NELAP	NY455	06-30-23
New York	NELAP	10026	03-31-23
Pennsylvania	NELAP	68-00281	07-31-23
Rhode Island	State	LAO00328	12-30-22
Tennessee	State	02970	04-01-23
Texas	NELAP	T104704412-18-10	07-31-23
USDA	US Federal Programs	P330-18-00039	03-25-24
Virginia	NELAP	460185	09-14-23
Washington	State	C784	02-10-23
Wisconsin	State	998310390	08-31-23

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Buffalo

## Method Summary

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8011	EDB and DBCP in Water by Microextraction	EPA	EET BUF
Field Sampling	Field Sampling	EPA	EET BUF
5030C	Purge and Trap	SW846	EET BUF
8011	Microextraction	SW846	EET BUF

### Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

## Sample Summary

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-202536-1	MP-270	Water	10/03/22 14:42	10/10/22 09:30
480-202536-2	MP-215CTY	Water	10/03/22 15:46	10/10/22 09:30
480-202536-3	MP-215BR	Water	10/03/22 16:14	10/10/22 09:30
480-202536-4	MP-215A	Water	10/03/22 16:40	10/10/22 09:30
480-202536-5	MP-216BR	Water	10/03/22 17:26	10/10/22 09:30
480-202536-6	MP-252	Water	10/03/22 18:18	10/10/22 09:30
480-202536-7	MP-252A	Water	10/04/22 09:02	10/10/22 09:30

TestAmerica Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228  
phone 716.504.9852 fax 716.691.7991

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other: County Agreement

Client Contact  
Eagon & Associates, Inc.  
100 Old Wilson Bridge Road Suite 115  
Worthington, Ohio 43085  
(614) 888-5760 Phone  
(614) 888-5763 FAX  
Project Name: County Agreement Sampling  
Site: CECOS - Aber Rd  
P O #

Project Manager: Mike Gibson  
Tel/Fax: (614) 888-5760/5763  
Analysis Turnaround Time  
☒ CALENDAR DAYS ☐ WORKING DAYS  
TAT if different from Below: 21 Days  
☐ 2 weeks  
☐ 1 week  
☐ 2 days  
☐ 1 day

Site Contact: Andrew Thompson  
Lab Contact: Brian Fischer  
Date: 10/5/22  
Carrier: TA-Cinci  
COC No: 1 of 1 COCs

For Lab Use Only:  
Walk-in Client:  
Lab Sampling:  
Job / SDG No.:  
Sampler: A. Graham

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	DMP VOCs (8260C)	DMP VOCs (8011)	Sample Specific Notes:
MP-270	10/3/22	1442	Grab	GW	6	N	X	X	
MP-215C14	1546					Y	X	X	
MP-215B12	1614					Y	X	X	
MP-215A	1640					Y	X	X	
MP-216BR	1726					Y	X	X	
MP-252	1818					Y	X	X	
MP-252A	10/4/22	0902	↓	↓	↓	Y	X	X	



480-202536 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= None  
Possible Hazard Identification: Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.  
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown  
☐ Return to Client ☐ Disposal by Lab ☐ Archive for \_\_\_\_\_ Months

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
All samples preserved on ice

Special Instructions/QC Requirements & Comments:  
710 # 1 JCE

Custody Seals Intact: ☐ Yes ☐ No  
Relinquished by: Andrew D. Graham  
Relinquished by: [Signature]  
Relinquished by: [Signature]

Custody Seal No.:  
Company: Eagon & Associates, Inc.  
Date/Time: 10/3/22  
Company: Eagon & Associates, Inc.  
Date/Time: 10/3/22 1200  
Company: Eagon & Associates, Inc.  
Date/Time: 10/3/22 1200

Received by: [Signature]  
Received by: [Signature]  
Received in Laboratory by: [Signature]

Company: Eagon & Associates, Inc.  
Company: Eagon & Associates, Inc.  
Company: Eagon & Associates, Inc.

Date/Time: 10/5/22 0928  
Date/Time: 10/16/22 930  
Date/Time: 10/16/22 930

Therm ID No.:  
Cooler Temp. (°C): Obs'd: \_\_\_\_\_

## Login Sample Receipt Checklist

Client: Republic Services Inc

Job Number: 480-202536-1

**Login Number: 202536**

**List Source: Eurofins Buffalo**

**List Number: 1**

**Creator: Sabuda, Brendan D**

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	7.0 # ice
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

## Quantitation Limit Exceptions Summary

Client: Republic Services Inc  
Project/Site: Aber Rd. Landfill - County Agreement

Job ID: 480-202536-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260C	Hexachlorobutadiene	Water	Total/NA	ug/L	1.0	2.0



# FIELD INFORMATION FORM

Site Name: CECOS - Aber Rd

Sample Point: MP-215CTY

**WELL DATA**

Water-Level Date: 1100322 (MM/DD/YY) Water-Level Time: 111316

Purge/Sample Method: LF  
 LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric

Well Elevation (at TOC) 91131 (ft/msl) Depth to Water (DTW) (from TOC) 1521 (ft) (R)

Groundwater Elevation (site datum, from TOC) 89611 (ft/msl)

Total Well Depth (from TOC) 9660 (ft) (R) Water Column Height (well depth - DTW) 8131 (ft) (R)

Casing ID 42 (in)

**PURGE/SAMPLE EQUIPMENT**

Is Purging and Sampling Equipment Dedicated? Y or N

Purging Device C A-Submersible Pump D-Bailer  
 B-Portable Pump E-Piston Pump  
 Sampling Device C C-Bladder Pump F-Dipper/Bottle

Filter Device: Y or N 0.45µ or — µ (circle or fill in)

Pump Type (Vol) B A - (495 mL) C - (130 mL)  
 B - (395 mL) X-Other ( )

Tubing ID (Vol/Ft) B A-3/8 inch (22 mL/Ft) C-0.17 inch (4.5 mL/Ft)  
 B-1/4 inch (10 mL/Ft) X-Other ( )

X - Other —

**PURGE INFO**

PURGE DATE (MM/DD/YY) 1100322 START PURGE TIME (2400 Hr. Clock) 15110

ELAPSED HRS (hrs:min) 10316 WATER VOL (G, Gal) IN 113

TOTAL VOL PURGED (Gallons) 89 **WATER PURGED** (Gallons) 0.18

**STABILIZATION DATA**

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (G, Gal)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
1504	1537	00					
1510	START	00					500
1520	2202	50	6.95	11721	11416		1510
1526	2196	59	7.00	11716	11611		
1530	2195	65	7.00	11719	11612		
1534	2192	71	7.00	11804	1164		
1538	2192	77	7.00	11915	1164		
1542	2192	83	7.00	11939	1163		
1546	2192	89	7.00	11937	1163	11.4	

**FIELD DATA**

SAMPLE DATE (MM/DD/YY) 1100322 SAMPLE TIME (2400 Hr. Clock) 15416 VOL. PURGED (G, Gal) 89

pH (S.U.) 7.00 SPEC. CONDUCTANCE (µmhos/cm) 11937 TEMPERATURE (°C) 11.4

TURBIDITY (NTU) 11.4 RATE (mL/min) 1510

Sample Appearance: clear Odor: slt. H<sub>2</sub>S Color: None Other: —

Weather Conditions (at sample time): Wind Speed / Direction: ~5 mph / E Air Temp: ~65°F Precipitation: Y or N

Comments (including purge/well volume calculations if required):

D.O. (mg/L) = 0.15

ORP (mV) = -50.9

SAMPLES COLLECTED: 2 DIP VOLS

I certify that sampling procedures were in accordance with applicable Regulatory and Site Protocols.

Date 10.13.12 Name Andrew D. Gelman Signature [Signature]









# FIELD INFORMATION FORM

Site Name: CECOS - AEC Rd

Sample Point: MP-252

WELL DATA

Water-Level Date: 11/03/22 (MM/DD/YY) Water-Level Time: 11137  
 Well Elevation (at TOC) 294.59 (ft/mal) Depth to Water (DTW) (from TOC) <000 (ft)  
 Total Well Depth (from TOC) 5308 (ft) Water Column Height (well depth - DTW) 5308 (ft)  
 Purge/Sample Method: LF  
 LF = Low Flow MP = Minimum Purge Dry = Dry V = Volumetric  
 Groundwater Elevation (site datum, from TOC) 2894.59 (ft/mal)  
 Casing ID 4 (in)

PURGE/SAMPLE EQUIPMENT

Is Purging and Sampling Equipment Dedicated? Y or N Filter Device: Y or N 0.45µ or — µ (circle or fill in)  
 Purging Device C A-Submersible Pump D-Bailer  
 B-Piston Pump E-Piston Pump  
 Sampling Device C C-Bladder Pump F-Dipper/Bottle  
 Pump Type (Vol) B A - (495 mL) C - (130 mL)  
 B - (395 mL) X-Other ( )  
 Tubing ID (Vol/Ft) B A-3/8 inch (22 mL/Ft) C-0.17 inch (4.5 mL/Ft)  
 B-1/4 inch (10 mL/Ft) X-Other ( )

PURGE INFO

PURGE DATE (MM/DD/YY) 11/03/22 START PURGE TIME (2400 Hr. Clock) 1715Z  
 ELAPSED HRS (hours) 1012L WATER VOL. USED IN (gallons) 110  
 TOTAL VOL. PURGED (gallons) 110 PUMP/TURBIDITY VOL. PURGED (gallons) 110

STABILIZATION DATA

Time (2400 Hr. Clock)	DTW (ft)	Vol. Purged (L/min)	pH (S.U.)	Spec. Conductance (µmhos/cm)	Temperature (°C)	Turbidity (NTU)	Rate (mL/min)
171510	1000	100					
171512	574.4	100					
18102	450	100	6.86	244.0	14.5	+	1000
18106	468	104	6.88	243.5	15.2	—	100
18110	473	108	6.92	243.0	15.8	—	
18114	480	112	6.95	242.4	16.1	—	
18118	489	116	6.97	242.5	16.1	0.56	↓

FIELD DATA

SAMPLE DATE (MM/DD/YY) 11/03/22 SAMPLE TIME (2400 Hr. Clock) 18118 VOL. PURGED (L/min) 116  
 pH (S.U.) 6.97 SPEC. CONDUCTANCE (µmhos/cm) 242.5 TEMPERATURE (°C) 16.1  
 TURBIDITY (NTU) 0.56 RATE (mL/min) 1100

FIELD COMMENTS

Sample Appearance: clear Odor: slt. odor Color: None Other: —  
 Weather Conditions (at sample time): Wind Speed/Direction: ~5-10 mph E Air Temp: ~60°F Precipitation: Y or N  
 Comments (including purge/well volume calculations if required):  
D.O. (mg/L) = 0.03  
CRP (µV) = -80.5  
SAMPLES Collected: DMP VOCs

I certify that sampling procedures were in accordance with applicable Regulatory and Site Protocols.  
 Date 10/3/22 Name Andrew D. Graham Signature [Signature]



